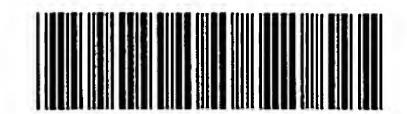# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/533,734_
Source: _PCT/10_
Date Processed by STIC: _5/12/05_

ENTERED

RAW SEQUENCE LISTING   DATE: 05/12/2005
PATENT APPLICATION: US/10/533,734   TIME: 09:45:57

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF4\05122005\J533734.raw**

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     4 <110> APPLICANT: ERTL, Peter F.
     7 <120> TITLE OF INVENTION: Vaccine
    10 <130> FILE REFERENCE: PG5023
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/533,734
    13 <141> CURRENT FILING DATE: 2005-05-04
    15 <150> PRIOR APPLICATION NUMBER: PCT/EP 03/12402
    16 <151> PRIOR FILING DATE: 2003-03-11
    18 <150> PRIOR APPLICATION NUMBER: GB 0225788.9
    19 <151> PRIOR FILING DATE: 2002-11-05
    21 <160> NUMBER OF SEQ ID NOS: 89
    23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    25 <210> SEQ ID NO: 1
    26 <211> LENGTH: 23
    27 <212> TYPE: DNA
    28 <213> ORGANISM: Artificial Sequence
    30 <220> FEATURE:
    31 <223> OTHER INFORMATION: Synthetic DNA primer
    33 <400> SEQUENCE: 1
    34 atcgtccatg ggtggcaagt ggt                              23
    36 <210> SEQ ID NO: 2
    37 <211> LENGTH: 23
    38 <212> TYPE: DNA
    39 <213> ORGANISM: Artificial Sequence
    41 <220> FEATURE:
    42 <223> OTHER INFORMATION: Synthetic DNA primer
    44 <400> SEQUENCE: 2
    45 cggctactag tgcagttctt gaa                              23
    47 <210> SEQ ID NO: 3
    48 <211> LENGTH: 24
    49 <212> TYPE: DNA
    50 <213> ORGANISM: Artificial Sequence
    52 <220> FEATURE:
    53 <223> OTHER INFORMATION: Synthetic DNA primer
    55 <400> SEQUENCE: 3
    56 atcgtactag tgagccagta gatc                             24
    58 <210> SEQ ID NO: 4
    59 <211> LENGTH: 24
    60 <212> TYPE: DNA
    61 <213> ORGANISM: Artificial Sequence
    63 <220> FEATURE:
    64 <223> OTHER INFORMATION: Synthetic DNA primer
    66 <400> SEQUENCE: 4
    67 cggctactag tttccttcgg gcct                             24
```

RAW SEQUENCE LISTING   DATE: 05/12/2005
PATENT APPLICATION: US/10/533,734   TIME: 09:45:57

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF4\05122005\J533734.raw**

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70  <211> LENGTH: 38
71  <212> TYPE: DNA
72  <213> ORGANISM: Artificial Sequence
74  <220> FEATURE:
75  <223> OTHER INFORMATION: Synthetic DNA primer
77  <400> SEQUENCE: 5
78  gaattcgcgg ccgccatggg tggcaagtgg tcaaaaag                    38
80  <210> SEQ ID NO: 6
81  <211> LENGTH: 38
82  <212> TYPE: DNA
83  <213> ORGANISM: Artificial Sequence
85  <220> FEATURE:
86  <223> OTHER INFORMATION: Synthetic DNA primer
88  <400> SEQUENCE: 6
89  gaattcgcgg ccgccatggt gggttttcca gtcacacc                    38
91  <210> SEQ ID NO: 7
92  <211> LENGTH: 34
93  <212> TYPE: DNA
94  <213> ORGANISM: Artificial Sequence
96  <220> FEATURE:
97  <223> OTHER INFORMATION: Synthetic DNA primer
99  <400> SEQUENCE: 7
100 gaattcggat ccttattcct tcgggcctgt cggg                        34
102 <210> SEQ ID NO: 8
103 <211> LENGTH: 45
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Synthetic polylinker
110 <400> SEQUENCE: 8
111 agcttgcggc cgctagcgat atcggtacca tatgtcgacg gatcc            45
113 <210> SEQ ID NO: 9
114 <211> LENGTH: 44
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Synthetic polylinker
121 <400> SEQUENCE: 9
122 gtaccggtca attggcgccg gcgcgccata tgacgtcaga tctg             44
124 <210> SEQ ID NO: 10
125 <211> LENGTH: 28
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Synthetic primer
132 <400> SEQUENCE: 10
133 ccatggatcc gatctttttc cctctgcc                               28
135 <210> SEQ ID NO: 11
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RAW SEQUENCE LISTING   DATE: 05/12/2005
PATENT APPLICATION: **US/10/533,734**   TIME: 09:45:57

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF4\05122005\J533734.raw**

```
136 <211> LENGTH: 32
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Synthetic primer
143 <400> SEQUENCE: 11
144 gttagggtga aaagcttccg agtgagagac ac                          32
146 <210> SEQ ID NO: 12
147 <211> LENGTH: 32
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Synthetic primer
154 <400> SEQUENCE: 12
155 gttagggtga aaagcttccg agtgagagac ac                          32
157 <210> SEQ ID NO: 13
158 <211> LENGTH: 33
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Synthetic primer
165 <400> SEQUENCE: 13
166 gttctccatc gcggccgcac tcttggcacg ggg                         33
168 <210> SEQ ID NO: 14
169 <211> LENGTH: 39
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Synthetic primer
176 <400> SEQUENCE: 14
177 gaattcgcgg ccgccatggc cgagcagctg tgggtcacc                   39
179 <210> SEQ ID NO: 15
180 <211> LENGTH: 55
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Synthetic primer
187 <400> SEQUENCE: 15
188 gaattcggat cctcatctct gcacgacgcg gcgcttggcc cgggtggggg ccacg  55
190 <210> SEQ ID NO: 16
191 <211> LENGTH: 24
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Synthetic primer
198 <400> SEQUENCE: 16
199 gccaagcgcc gcgtcgtgca gaga                                   24
201 <210> SEQ ID NO: 17
202 <211> LENGTH: 48
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RAW SEQUENCE LISTING   DATE: 05/12/2005
PATENT APPLICATION: US/10/533,734   TIME: 09:45:57

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF4\05122005\J533734.raw**

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203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Synthetic primer
209 <400> SEQUENCE: 17
210 gccaagcgcc gcgtcgtgca gagaatgggt ggcaagtggt caaaaagt         48
212 <210> SEQ ID NO: 18
213 <211> LENGTH: 24
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Synthetic primer
220 <400> SEQUENCE: 18
221 ggggagccga caggcccgaa ggaa                                  24
223 <210> SEQ ID NO: 19
224 <211> LENGTH: 48
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Synthetic primer
231 <400> SEQUENCE: 19
232 ggggagccga caggcccgaa ggaaatgaag gtcaaggaga ccagaaag         48
234 <210> SEQ ID NO: 20
235 <211> LENGTH: 44
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Synthetic primer
242 <400> SEQUENCE: 20
243 gccaagcgcc gcgtcgtgca gagaatggtg ggttttccag tcac             44
245 <210> SEQ ID NO: 21
246 <211> LENGTH: 38
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Synthetic primer
253 <400> SEQUENCE: 21
254 gaattcgcgg ccgccatggt gggttttcca gtcacacc                    38
256 <210> SEQ ID NO: 22
257 <211> LENGTH: 55
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Synthetic primer
264 <400> SEQUENCE: 22
265 gaattcggat cctcatctct gcacgacgcg gcgcttggcc cgggtggggg ccacg  55
267 <210> SEQ ID NO: 23
268 <211> LENGTH: 60
269 <212> TYPE: DNA
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```
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Synthetic primer
275 <400> SEQUENCE: 23
276 accaccttgt acttgtacag ctcgctccgc cagttatccc tcatgtcgcc gccgccgggc 60
279 <210> SEQ ID NO: 24
280 <211> LENGTH: 37
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Synthetic primer
287 <400> SEQUENCE: 24
288 gaattcgcgg ccgccatgga gccagtagat cctagac                             37
290 <210> SEQ ID NO: 25
291 <211> LENGTH: 19
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Synthetic primer
298 <400> SEQUENCE: 25
299 ttccttcggg cctgtcggc                                                 19
301 <210> SEQ ID NO: 26
302 <211> LENGTH: 41
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Synthetic primer
309 <400> SEQUENCE: 26
310 gccgacaggc ccgaaggaaa tggtgggttt tccagtcaca c                        41
312 <210> SEQ ID NO: 27
313 <211> LENGTH: 36
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Synthetic primer
320 <400> SEQUENCE: 27
321 gaattcggat ccttagcagt tcttgaagta ctccgg                             36
323 <210> SEQ ID NO: 28
324 <211> LENGTH: 56
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Synthetic primer
331 <400> SEQUENCE: 28
332 gaattcgcgg ccgcaatgaa ggtcaaggag accagaaaga actaccagca tctgtg        56
334 <210> SEQ ID NO: 29
335 <211> LENGTH: 24
336 <212> TYPE: DNA
337 <213> ORGANISM: Artificial Sequence
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VERIFICATION SUMMARY   DATE: 05/12/2005
PATENT APPLICATION: **US/10/533,734**   TIME: 09:45:58

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF4\05122005\J533734.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:458 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:40